

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )  
Mahesan Chelvayohan, et al. ) Group: Unknown  
Serial No.: Unknown )  
Filed: Herewith ) Examiner: Unknown  
Title: MEDIA SENSOR APPARATUS USING A TWO )  
COMPONENT MEDIA SENSOR FOR MEDIA )  
ABSENCE DETECTION )

INFORMATION DISCLOSURE STATEMENT

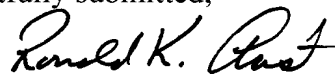
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant wishes to bring to the attention of the Examiner the documents identified on the attached form PTO-1449. Applicant respectfully requests that these documents be made of record in the present application.

A copy of each of the documents is enclosed.

Respectfully submitted,



Ronald K. Aust  
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Attorney for Applicants

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Ronald K. Aust, Reg. No. 36,735

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2003-0693.02/LII0641.US

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INFORMATION DISCLOSURE STATEMENT				APPLICANT: Mahesan Chelvayohan, et al.				
				FILING DATE: Herewith		GROUP: Unknown		
U.S. PATENT DOCUMENTS								
Examiner Initial *		Document No.	Date	Name	Class	Subclass	Filing Date	
	AA	4,066,969	1/78	Pearce, et al.	328	5	September 22, 1975	
	AB	4,092,068	5/78	Lucas, et al.	356	73	May 5, 1976	
	AC	4,352,988	10/82	Ishida	250	559	November 14, 1980	
	AD	4,525,630	6/85	Chapman	250	572	August 11, 1982	
	AE	4,540,887	10/85	Minerd, et al.	250	561	January 28, 1983	
	AF	4,545,031	10/85	Kobayashi	364	900	September 13, 1982	
	AG	4,578,770	3/86	Mitani	364	571	June 10, 1983	
	AH	4,613,235	9/86	Suga	356	446	February 13, 1985	
	AI	4,642,456	2/87	Watanabe	250	223	March 25, 1985	
	AJ	4,642,457	2/87	Watanabe	250	223	January 30, 1984	
	AK	4,673,818	6/87	Guerra	250	571	November 25, 1985	
FOREIGN PATENT DOCUMENTS								
							Translation	
		Document No.	Date	Country	Class	Subclass	Yes	No
	AL							
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	AO							
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OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)								
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HerewithGROUP:  
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## U.S PATENT DOCUMENTS

Examiner Initial *		Document No.	Date	Name	Class	Subclass	Filing Date
	AA	4,685,982	8/87	Kuchek	156	64	April 2, 1985
	AB	4,721,968	1/88	Arai, et al.	346	136	September 13, 1984
	AC	4,774,551	9/88	Amos, et al.	355	68	November 19, 1987
	AD	4,929,844	5/90	Houjiyou, et al.	250	561	November 18, 1988
	AE	4,945,253	7/90	Measurex Corporation	250	571	December 9, 1988
	AF	4,954,846	9/90	Matsuo, et al.	355	311	November 22, 1989
	AG	4,958,069	9/90	Okamori	250	223	June 19, 1989
	AH	4,963,731	10/90	King	250	560	August 11, 1989
	AI	4,970,544	11/90	Furusawa, et al.	355	24	November 25, 1988
	AJ	4,970,606	11/90	Shima	358	474	June 19, 1989
	AK	4,982,235	1/91	Fujino	355	235	May 22, 1990

## FOREIGN PATENT DOCUMENTS

							Translation	
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U.S. PATENT DOCUMENTS								
Examiner Initial *		Document No.	Date	Name	Class	Subclass	Filing Date	
	AA	4,985,636	1/91	Fukui, et al.	250	559	August 29, 1989	
	AB	4,989,985	2/91	Hubble, III, et al.	356	445	September 19, 1988	
	AC	4,994,678	2/91	Sasaki	250	560	March 23, 1989	
	AD	5,084,627	1/92	Ueki, et al.	250	561	May 15, 1990	
	AE	5,122,833	6/92	Sato	355	203	October 11, 1991	
	AF	5,139,339	8/92	Courtney, et al.	356	446	December 26, 1989	
	AG	5,172,003	12/92	Nasu, et al.	250	561	November 25, 1991	
	AH	5,225,688	7/93	Endo	250	560	June 22, 1992	
	AI	5,250,813	10/93	Takahashi, et al.	250	561	October 28, 1992	
	AJ	5,262,637	11/93	Cumberledge, et al.	250	223	August 7, 1992	
	AK	5,329,338	7/94	Merz, et al.	355	207	September 6, 1991	
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Examiner Initial *		Document No.	Date	Name	Class	Subclass	Filing Date	
	AA	5,354,995	10/94	Endo, et al.	250	561	August 20, 1993	
	AB	5,508,520	4/96	Shoji, et al.	250	559	April 26, 1994	
	AC	5,508,521	4/96	Kraft, et al.	250	574	December 5, 1994	
	AD	5,661,571	4/97	Ijuin, et al.	358	471	August 17, 1994	
	AE	5,689,757	11/97	Ferrante, et al.	399	45	July 28, 1995	
	AF	5,751,443	5/98	Borton, et al.	356	446	October 7, 1996	
	AG	5,751,854	5/98	Saitoh, et al.	382	218	June 7, 1996	
	AH	5,764,251	6/98	Hashimoto	347	16	June 1, 1995	
	AI	5,811,777	9/98	Ackley	235	462	July 11, 1996	
	AJ	5,856,833	1/99	Elgee, et al.	347	19	October 6, 1997	
	AK	5,925,889	7/99	Guillory, et al.	250	559.16	October 21, 1997	
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Examiner Initial *		Document No.	Date	Name	Class	Subclass	Filing Date
	AA	6,006,668	12/99	Rehmann	101	484	April 20, 1998
	AB	6,018,164	1/00	Mullens	250	559.4	November 20, 1997
	AC	6,019,449	2/00	Bullock, et al.	347	14	June 5, 1998
	AD	6,031,620	2/00	Typpo	356	445	April 28, 1998
	AE	6,079,807	6/00	Lindstrom, et al.	347	16	December 8, 1997
	AF	6,088,104	7/00	Peterson	356	371	December 2, 1994
	AG	6,088,546	7/00	Inoue, et al.	399	45	January 2, 1996
	AH	6,144,811	11/00	Ohori, et al	399	9	February 2, 1999
	AI	6,152,443	11/00	Claramunt, et al.	271	258.05	August 28, 1998
	AJ	6,201,255 B1	3/01	Torchalski, et al.	250	559.4	October 30, 1998
	AK	6,215,552 B1	4/01	Acquaviva, et al	356	371	August 28, 1995

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Examiner Initial *		Document No.	Date	Name	Class	Subclass	Filing Date
	AA	6,217,168 B1	4/01	Elgee	347	105	February 24, 1999
	AB	6,233,053 B1	5/01	Preston, et al.	356	445	July 28, 1998
	AC	6,242,733 B1	6/01	Ma, et al	250	233	August 17, 1999
	AD	6,291,829 B1	9/01	Allen, et al.	250	559.07	March 5, 1999
	AE	6,325,505 B1	12/01	Walker	347	105	October 29, 1999
	AF	6,348,697 B1	2/02	Kitajima	250	559.4	June 11, 1998
	AG	6,365,889 B1	4/02	Elgee	250	221	February 24, 1999
	AH	6,386,676 B1	5/02	Yang, et al.	347	19	January 8, 2001
	AI	6,398,206 B1	6/02	Yang, et al.	271	90	June 12, 2000
	AJ	6,400,099 B1	6/02	Walker	315	291	March 24, 1998
	AK	6,520,614 B2	2/03	Kaneko	347	14	January 24, 2001

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Examiner Initial *		Document No.	Date	Name	Class	Subclass	Filing Date
	AA	6,549,286 B2	4/03	Komulainen, et al.	356	600	October 31, 2001
	AB	6,561,643 B1	5/03	Walker, et al.	347	105	June 28, 2000
	AC	6,585,341 B1	7/03	Walker, et al.	347	14	August 30, 2000
	AD	6,600,167 B2	7/03	Sano	250	559.11	June 11, 2001
	AE	6,677,603 B2	1/04	Yanagiuchi	250	559.4	January 5, 2001
	AF	2003/0020029 A1	1/03	Henry, et al.	250	559.4	July 26, 2002
	AG	2003/0052934 A1	3/03	Maruyama	347	16	September 11, 2002
	AH						
	AI						
	AJ						
	AK						

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